


Africa Thermal Insulations: Thermal insulation

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PRODUCT DATA SHEET
4mm White Alububble 2006, D10 -
White bubble with foil backing
Architectural Specification

Product Specifications

| Details | Results |
|---|------------------|
| Tested in accordance with and conforms to SANS 1381 part 4- 1985 (Full report available on request) | |
| Form | Roll |
| Length ,mm | >4500mm |
| Width, mm | 1250 mm |
| Mass per unit area, g/m ² | 270 |
| Finished Roll Weight, Kg | 13.5kg |
| Emissivity | <0.05 |
| Water Vapour Permeance, g(1.MN) | <0.002 |
| Effective Coverage | 96m ² |


Thermal Properties

Tested at the Thermal Test Laboratory in controlled conditions in accordance with ASTM C518 2004.


Product was tested with air gaps of 40mm at the top (Hot side) and 40mm at the bottom (Cold side).

| | | |
|-----------------------|--------------------------|-------|
| Thermal Resistance: | "R" (m ² K/W) | 1.103 |
| Thermal Conductivity: | "K" W/m.K | 0.091 |

Domestic Installation



Industrial Installation



Advanced Benefits and Features

- Protects your roof space from heat build up due to radiant heat transfer thereby protecting all services within the roof space from from drying out, cracking and degradation due to UV and Solar heat gain.
- An effective water vapour barrier under roof tiles or sheeting
- Improves the performance of bulk insulation by effective production on mean temperature within your roof space.
- Non Toxic.
- Non Carcinogenic.
- Does not attract rodents.
- Has no fibres.
- Easy to install. No safety equipment needed during installation.
- Reduces Dust penetration into the roof space.

Warning: ALLUBUBBLE™ is not suitable for exposed, exterior applications. The manufacturer Africa Thermal Insulations (Pty) Ltd guarantees the performance of ALLUBUBBLE™ product for 12 years from the date of installation. In accordance with the requirements of SANS10400 Building Regulations, an evaluation that the product has been correctly installed according to the manufacturer's installation instructions and provided that the roof has not leaked or been removed with in any way. The guarantee does not cover the discolouring or deterioration of the product due to being installed in a corrosive or contaminated environment. The extent of the liability shall be restricted to the product only and does not include the cost of removing and replacing the roof.

Applications

Domestic:-

- Water Vapour barrier in under roof tile or roof sheeting.
- In conjunction with Air Gaps as a Radiant Barrier Insulation material attached to Trusses.

Industrial:-

- Retrofit to existing buildings
- Over Purlin, in conjunction with a thermal block as a Radiant Barrier insulation and Water Vapour Barrier.

Fire Properties

Tested to SANS 426 and awarded a B(B)120H (SP) (No Sprinklers).

Quality Management System


Africa Thermal Insulations (Pty) Ltd products are manufactured according to ISO 9001:2008 Quality Management System

Warning

ALLUBUBBLE™ is not recommended as a water vapour barrier. A leaking Roof could cause condensation and corrosion to occur which may damage the product and will negatively affect its thermal properties.

Transportation and Storage

To ensure that ALLUBUBBLE™ remains in pristine condition, the rolls must be transported in a suitable, fully enclosed truck. They should also be stored under cover to protect them from direct sunlight and rain. Rolls should be stacked on their sides or on the end of the roll without the overlap. Observe the "This way up" arrow printed on the packaging Africa Thermal Insulations (Pty) Ltd cannot accept any claim for replacement for material if the above conditions are not met.



ATI
AFRICA THERMAL INSULATIONS
tel: 011 462 9122 www.alububble.co.za

Specifile - Architectural Information Service - the source of
South African building products and suppliers

Product Specifications

| Details | Results |
|---|------------------|
| Tested in accordance with and conforms to SANS 1381 part 4: 1985 (Full report available on request) | |
| Form | Roll |
| Length ,mm | >4000mm |
| Width, mm | 1250 mm |
| Mass per unit area, g/m ² Finished Roll Weight, Kg | 270 13.5kg |
| Emissivity | <0.05 |
| Water Vapour Permeance, g/(s.MN) | <0.002 |
| Effective Coverage | 46m ² |

| Thermal Properties | |
|--|--------------------------------|
| Tested at the Thermal Test Laboratory in controlled conditions in accordance with ASTM C518 2004. | |
| Product was tested with air gaps of 40mm at the top (Hot side) and 60mm at the bottom (Cold side). | |
| Thermal Resistance: | “R” (m ² K)/W 1.103 |
| Thermal Conductivity: | “K” W/m.K 0.091 |

Applications

Domestic:-

- Water Vapour barrier in under roof tile or roof sheeting.
- In conjunction with Air Gaps as a Radiant Barrier Insulation material attached to Trusses
- Retrofit to existing buildings

Industrial:-

- Over Purlin, in conjunction with a thermal block as a Radiant Barrier insulation and Water Vapour Barrier.

Fire Properties

Tested to SANS 428 and awarded a B/B1/2/H (SP) (No Sprinklers).

Quality Management System

Africa Thermal Insulations (Pty) Ltd products are manufactured according to ISO 9001:2008 Quality Management System

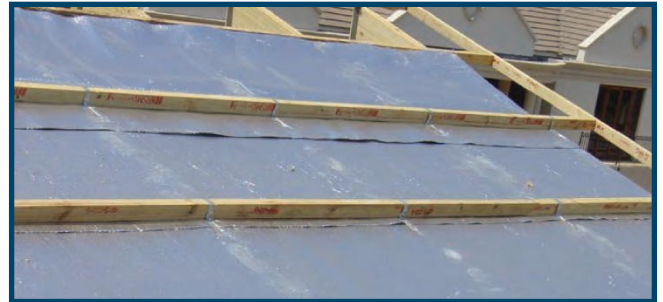
Warning

ALUBUBBLE® is not recommended as a water vapour barrier. A leaking Roof could cause condensation and corrosion to occur which may damage the product and will negatively affect its thermal properties.

Transportation and Storage

To ensure that ALUBUBBLE® remains in pristine condition, the rolls must be transported in a suitable, fully enclosed truck. They should also be stored under cover to protect them from direct sunlight and rain. Rolls should be stacked on their sides or on the end of the roll without the overlap. Observe the “This way up” arrow printed on the packaging. Africa Thermal Insulations (Pty) Ltd cannot accept any claim for replacement for material if the above conditions are not met.

Domestic Installation



Industrial Installation



| Advanced Benefits and Features |
|--|
| Protects your roof space from heat build up due to radiant heat transfer thereby protecting all services within the roof space from from drying out, cracking and degradation due to UV and Solar heat gain. |
| An effective water vapour barrier under roof tiles or sheeting. |
| Improves the performance of bulk insulation by effective reduction on mean temperature within your roof space. |
| Non Toxic. |
| Non Carcinogenic. |
| Does not attract rodents. |
| Has no fibres |
| Easy to install – No safety equipment needed during installation. |
| Reduces Dust penetration into the roof space. |

Warranty:- ALUBUBBLE® is not suitable for exposed, exterior applications. The manufacturers Africa Thermal Insulations (Pty) Ltd guarantees the prime quality of the ALUBUBBLE® product for 15 years from the date of installation (in accordance with the requirements of SANS10400 Building Regulations), on condition that the product has been correctly installed according to the manufacturer's installation instructions and provided that the roof has not leaked or been tampered with in any way. The guarantee does not cover the discolouring or deterioration of the product due to it being installed in a corrosive or contaminated environment. The extent of the liability shall be restricted to the product only and does not include the cost of removing and refitting the roof.



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